FA Part 2 Mathematics Chapter 3 Test Online

Sr	Questions	Answers Choice
1	Question Image	A. Integral B. Indefinite integral C. Differential D. Definite integral
2	Question Image	A. f(x) B. ln |f(x)| C. f'(x) D. ln |f'(x)|
3	Question Image	A. Integration B. Integrand C. Constant of integration D. None of these
4	Question Image	
5	If the upper limit is a constant and the lower limit is a variable, then the integral is a function of:	A. x B. y C. lower limit D. upper limit
6	Question Image	A. e^{2x} sin x + c B. e^{2x}cosx + c C. -e^{2x}sin x + c D. -e^{2x}cosx + c
7	Question Image	A. e^{ax} B. f(x) C. e^{ax}f(x) D. e^{ax + f(x)}
8	If y = sin x then dy =	A. cosy dx B. cos x C. cosx dx D. cos xdy
9	Question Image	A. domain B. range C. lower limit D. upper limit
10	Question Image	C. 2 D. 1
11	An integral of $3x^2$ is:	A. x³+c B. 3 C. 6x D. x^{2+c}
12	Question Image	A. ln |sec x + tan x | + c B. ln |cosec x - cot x | + c C. ln |sec x - tan x | + c D. ln |cosec x + cot x | + c
13	Question Image	A. Integration by parts B. Definite integral C. Differentiation D. None of these
14	Question Image	A. tan x + c B. -tan x + c C. sec x + c D. -sec x + c
15	Question Image	A. equal to each other B. not equal to each other C. nearly equal to each other D. None of these
16	Question Image	A. 0 B. 1 C. 2 D. 4

17	If the lower limit is a constant and the upper limit is a variable, then the integral is a function of:	A. x B. y C. lower limit D. upper limit
18	Question Image	A. cosec x + c B. -cosec x + c C. cot x + c D. - cot x + c
19	Question Image	A. 0 B. 1 C. 2 D. 3
20	The general solution of differential equation of order n contains n arbitrary constants, which can be determined by ---------- initial value conditions.	A. 1 B. 0 C. 2 D. n